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University of Toronto Engineering Society

April 7, 1988

THE CANNON

University of Toronto Engineering Society
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Where the context requires, words used herein importing the singular shall include the plural and vice versa, and importing gender shall include all genders.

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The Cannon is a publication (sort of) of the University of Toronto Engineering Society. It is published at random intervals which are sort of, almost directly related to, the marks the editors are receiving in their various courses. The purpose of The Cannon is to announce ENGSOC events, discuss faculty and university matters, and occasionally present current and technical information of interest to engineering undergraduates.

The Cannon encourages submissions; Please scribble legibly (our hieroglyphics interpreter has left us again).

Comments on The Cannon or on articles appearing in it are appreciated and the editors will make every effort to publish such material.

THE OPINIONS HERIN ARE NOT NECESSARILY THOSE OF THE ENGINEERING SOCIETY.

The Cannon
Room B670 Sanford Fleming Building
10 Kings College Road, Toronto.

1929 MLK 1968

You may well ask: " Why direct action? Why sit-ins, marches and so forth? Isn't negotiation a better path?" You are quite right in calling for negotiation. Indeed, this is the very purpose of direct action. Nonviolent direct action seeks to create such a crisis and foster such a tension that a community which has constantly refused to negotiate is forced to confront the issue. It seeks so to dramatize the issue that it can no longer be ignored... We know through painful experience that freedom is never voluntarily given by the oppressor; it must be demanded by the oppressed.

- Martin Luther King Jr.

Exam cheaters shot

DHAKA (DPA) — Three people were killed and more than 100 injured when riot police fired into examination halls in Bangladesh to stop students from cheating during graduation exams, press reports said yesterday.

The daily Bangladesh Observer said that police opened fire at high school students in the farming town of Valuka, in central Mymensingh district Tuesday, killing two persons on the spot. Another died on way to the hospital.

Police were called in by teachers who were unable to stop mass cheating by students from books and pre-written answer scripts.

In the city of Chittagong, students burned down three schools after teachers prevented them from using books during an exam.

Last Ditch Editorial

Dear Editors:

Wow, this is an interesting change! I'm actually getting a chance to write ahout something. Mayhe I should write a hit about last year's Cannon, heing the former editor. I'd like to thank all the people who helped out, especially my co-editor, Ann McRuvie, who kept the paper alive a few times during the year.

The Cannon is a very versatile paper. It has the potential to he very hig in and around campus. It really represents the voice of engineering. Unlike the Toike Oike, the Cannon can actually deal with serious matters and still he taken seriously, while at the same time, the Cannon can he funny and interesting to read. The paper should have more than boring engineering announcements. The only way that this can he done is through more participation.

Last year, I assemhled a good young staff (i.e. not graduating) that have an interest in Engineering matters. Anyhody who wants to write anything ahout engineering life should do so. This even includes the had sides of engineering. If you see something you don't like happening in ENGSOC, you have a medium for your complaint. Even though the Cannon is supported hy the Engineering Society, its main purpose is to present the views of the engineering student hody, not necessarily just the views of the EngSoc Executive Council. If your comments are presented in a constructive manner and are not just hitching, there is no way the editors can or will interfere with the articles heing printed. On the other hand, if you want to make positive comments on EngSoc events or whatever, these will also he welcome. It isn't necessary to he a full-time staff memher to put together a couple of letters a year for the paper.

The higgest prohlem right now with the Cannon is that it does not represent engineering on a campus-wide hasis. This can he important at times, especially if engineering students want to make their feelings known across the campus. The only way we can do this now is hy writing to The Newspaper or The Varsity. After the inflatahle doll incident, engineering students felt compelled to write to The Varsity to try to dislodge the already-decided campus opinions. While the engineering paper which does go campus wide, The Toike Oike, tried to poke fun at the issue, their views only represented the same small group which works on all the Toikes. I thinkk it is very unfortunate that the Engineers feel compelled to write to The Varsity, hut then, what is the point of writing to The Cannon? Most engineers already know how we felt.

The Executive Council has been saying lately that it can only be to the engineers' advantage for the Engineering Society to try to portray a hetter image on campus, an image that shows that engineers are hard-working and semi-respectahle.

The Toike Oike is a prime example of the ways the Society is trying to change. The aholishment of sexism and racism for the Toike is evident. But, The Toike is prohably the only thing that a lot of students across campus ever see or hear ahout engineering. They will not hear ahout Shinerama hecause that only gets a little box on page five of The Varsity. They will not hear about the Med. Sci. ramp plaque, or the fact that engineers are trying to curb underfunding hy themselves in their own faculty hy creating a $100 per student incidental fee which has paid for things like computers and lah equipment in the past.

Down in EngSoc, there are posters on the wall ahout "Why We Are PROUD To Be Engineers". Nobody will ever see these except for the people using the photocopier or buying a Coke, but they are engineers anyway.

The Engineering Society desperately needs a voice on campus. I think that The Cannon is our only hope.

Andrew Wyllie

Communications Chairman

HUMAN RIGHTS NOW!!!

On Decemher 10, 1948, the United Nations General Assemhly adapted the Universal Declaration of Human Rights. This Declaration proclaimed that all human heings would he free in dignity and rights.

Today, many governments violate human rights and disregard the principles that they voted to adopt in 1948. In the 1980's, torture has heen reported in over 60 countries, and the death penalty has heen used in over 100 countries. Prisoners of conscience, men and women detained for their heliefs, colour, ethnic origin, sex, religion, or language, who have not used or advocated violence, are heing held in nearly half the countries in the world.

On March 3, 1988, Amnesty International launched a campaign, Human Rights Now!, to promote the Universal Declaration of Human Rights. Throughout the year, Amnesty International will translate the Declaration into some 52 languages for worldwide distrihution. A petition appeal, demanding that the principles of the Declaration he respected, will he preseuted to governments worldwide and to the United Nations on Decemher 10, 1988, Human Rights Day.

The promotion of the Universal Declaration of Human Rights is the main goal of this campaign as well as to increase memhership and raise some funds. The message of this campaign will he carried in part hy artists who will perform in a series of (worldwide) concerts hetween August and Octoher 1988. Some of the performers are Peter Gahriel, Youssou N'Dor, Simple Minds, and Sting. Concerts are heing planned for two cities in Canada this Septemher.

In the past, Amnesty Internatonal has worked on protecting the rights of people who have spoken out against injustice even though they ran the risk of heing imprisoned, tortured, or killed. The Human Rights Now! Campaign will focus on these victims and it will emphasize the promotion of human rights. Through the promotion of the Universal Declaration of Human Rights, Amnesty International hopes to create a glohal awareness of the rights that helong to all of us so that we may someday he free and equal in rights and dignity hefore the governments of our countries.

Nicolas Vera

IT'S HARD, BUT DOES IT FLOAT?

U of T's First Annual Concrete Competition took place last month and was open to all Civil Engineering students.

Contestants were required to suhmit mix designs for high strength, floating concrete. The float tests were held on March 10, followed hy the compressive strength tests on March 11. Neil Hutchings, the originator of the contest, disqualified himself because he had access to the other contestants' mix designs.

Winners of the first category, highest strength floating concrete, were William Nunes and Fortunato Sansalone, hoth in Second Year. Their coucrete floated for two minutes and five seconds (minimum required floating time was two minutes).
After Neil Hutchings withdrew from the contest, the pair also captured first prize for the second category, highest strength to density ratio, with a compressive strength of 5.3 MPa and a density of 975 kg/m3. (Quite impressive, for concrete that had only heen cured for six days.)

This year's competition was organized hy the Univerisity of Toronto section of the Canadian Society of Civil Engineering (UTCSCE). The objective was to design and cast the strongest set of concrete cylinders that could float. The contest was open to full-time second, third and fourth year Civil Engineering students.

The following restrictions were imposed ou the contestants. The primary hinder had to consist of hydraulic cement. The maximum size aggregate could he no larger than 1/3 the cylinder diameter. Finally, the concrete composition had to he homogeneous throughout (no foam cores allowed).

Contestants used various forms of aggregate such as pelletized slag, pumice, styrofoam heads, wood chips, and even hazelnuts as their main source of aggregate.

One day prior to testing day, each entry was tested to determine whether or not they would float. This was a vital point in the competition since if the concrete failed to pass the floating test it would he dismissed from the competetion. All three cylinders had to float for a minimum of 2 minutes (water surface must have remained hroken in this time period).
Most entries passed this test. One entry harely passed, floating for 2 minutes and 5 seconds.

Testing day had finally arrived. The intensity could he felt within the room. The testing procedure lasted for nearly 3 hours.

The winning entry measured a total strength of 5.4 MPa, hased on the average of two tests. This was very impressive, especially in view of the fact that it had heen cast only six days hefore the testing date. The winning mix consisted of pumice aggregate, standard type 10 cement, air entraining agent, superplasticizer, styrofoam heads, silica fume and water.

Special thanks goes out to Neil Hutchings, the main organizer of the event, and R.D. Hooton (CSCE faculty rep.) for organizing this year's competition.

Next year's competition will he just as exciting. An idea has been proposed for next year's competition that would have competitors designing the formwork for a bridge with a certain set of restrictions. All teams will cast on the same day from a common mix which is then stripped and tested with uniform loading.

Bill Nunes
Fort Sansalone

THREE WOMEN AND A POWERTOOL

Catchy title, isn't it? Well, hear with me, I'll get to it later.

While glancing through my daily paper some months ago, I came across a rather disturhing article. The forementioned article was expressing some distorted feministic view ahout sexism in the comic strips. The people whose views were expressed in this article named a few strips that they considered offensive due to extreme sexism. I will attempt to examine some of the accused strips and the specific charges.

"Beetle Bailey" was 'charged' on the grounds that General Halftrax often stared at his secretary, Miss Buxley. Let's see if I get this straight -- an old fart keeps ogling his youug attractive secretary. Yeah, I guess this never happens in real life. Movin' on, they also cite the strip "What A Guy" as heing sexist. Now that really pisses me off; there are so many good legitimate reasons to attack such a horrihle strip. hut they resort to grasping at straws. The exact complaint was that in one episode, Guy asked his female teacher when she was going to get married. Gee, 'What A Sexist', why don't we castrate the little hugger.

As if these unwarranted charges weren't enough, they had the nerve to give praise to a couple of the strips which they felt accurately portrayed the sexes. One of these was "On The Fastrack" in which the only male character who shows any sign of testosterone is the higgest hooh in the entire strip. The other was the strip "Adam", in which the wife works and the hushand, that's Adam, stays home and looks after the kids. A vast majority of the episodes involve Adam heing totally inept at housework, childcare, and anything else that he attempts. Let's for a moment envision a nonexistent strip called "Eve" in which a working woman wanders from job to joh hecause she is so hloody incompetent at everything in the work world. Don't get me wrong, I am not stating this as a helief, hut only as a roll-reversed image of an existing strip.

It should he made clear that I am not really offended hy the latter two comic strips. I am merely illustrating that these strips, or any other strip for that matter, could he construed as offensive if one tries hard enough.

I think that what I am getting at is that feminists and people in general should not take everything so damn seriously. As a

continued on next page

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final example, I turn to the movies, to a film called "Three Men and a Baby". I don't think for a moment that any man would be offended by this movie's humorous portrayal of men attempting to look after a baby. But, could feminists say the same thing if a movie entitled "Three Women and a Powertool" hit the big screen?

I wonder.

Wayne Bell

MEET THE EDITORS

I don't know if Karen has explained what we are doing for our first editorial, but I'll give it to you anyway. Since this is our first paper we wanted to introduce each other to you; therefore, I'll intoduce her to you.

Firstly, I have only known Karen for about three months; but within those months I have gotten to know her really well. She is what you would call really smart, not a total 'keener' but still a 'keener'.(it's probably the only way I finished some of my problem sets)

Now that we have her intelligence pinned down, I'll describe something else you could pin on her. She wears inflatable breasts, so you better not stick any pins in that area. You can hardly notice them, but she feels quite confortable wearing them. Actually ever since she received them on her birthday from us (Bill, Colin, Wayne and I) she has never taken them off.

I've already described her intelligence and her body to you , but now I'll describe her personality. The first thing you notice about her is how gullible and naive she is; this can be seen in one of the title's in the paper. The title " It's Hard, but Does It Float ?", was created by her and only when it was too late did she notice the double meaning. I can come up with many others but she'll get mad at me if go on. That's another thing she's really bossy... oh no! Here she comes ! Leave that on-off swit.....

What should I say about Alex?

Hmmmmm...

He's probably expecting me to slag him off. So I will.

Alex Rocha:

a.k.a. 'Roach' & 'Stickyfingers'

DESCRIPTION:

Age: over 19 (honest!)

Height: under six feet

- has one strawberry red hair among a multitude of black and grey hairs (its location is left as an exercise to the reader).

- skin as smooth as a baby's backside

- used to be a runner (still hung like a horse)

- great dancer

- budding entrepreneur

- favourite expression: "Coffee, tea, or me?"

- main ambition: to star in the movie "Nubile Stewardesses in Training"

- secondary ambition: to own a used Porsche dealership

- accomplishments: can crack his neck and jump up and down (at the same time).

LIKES:

- grapefruit juice

- Fosters, the amber nectar

- vinegar on French Fries

- vinegar on anything

- Teddy Bears (has one named Harold)

- shopping at Holt Renfrew

- browsing through Lovecraft

- modern music on CFNY

- eating rosebuds

- driving extremely close to parked cars at high speeds

- driving backwards at high speeds

- sleazy-looking large-breasted women in tight leather jumpsuits.

DISLIKES:

- sleazy-looking large-breasted men in tight leather jumpsuits

- men's jewellery

- psychotic people

- T.A.'s that cheat him of marks on midterms

- the tall dude who threatened to smash him in class

- Tom Cruise

- fruity-coloured undies (watermelon, tangerine)

- strange music on CFNY

- people flicking his resonant ears

- jokes about his shoulders or lack thereof

- short, Portuguese jokes

- being referred to as 'cultured'

Don't approach him on a Monday, as he's usually still incapacitated, discombobulated, or generally hungover from Saturday night. As a result, his train of thought derails quite frequently during the course of any conversation.

Excluding Mondays, he is usually quite reliable, friendly and approachable. So, if you have any ideas to contribute, just talk to him. And, if you want him to USE your ideas, lean on him a little.

Well, now you know a bit about both of us. We're really not as strange as we might seem, but that'll be up to you to decide at the next Cannon Makeup (sometime in September). We have some definite plans and ideas for next year's Cannon, but we're always open to suggestion. If you'd like to work on a comic strip, or write a series of articles (or even one article), or help with layouts, or perhaps work as a photographer, please let us know.

We'd like many more people to get involved in extra-curricular activities, so, if you're interested in helping to put together the Handbook over the summer, leave a message in the Cannon mailbox in the EngSoc before April 22nd. If you'd like to join an orientation committee, come and talk to someone in EngSoc. And if you'd like to help with Shinerama, leave your name and number with Heather Hinton or Joseph Eratosthene.

In closing, we'd like to wish everyone good luck on exams. Here's hoping that F!ROSH and everyone else had a really wild time this year. Best wishes to the Grads, the Class of 8T8, as they sail on to new horizons!

Have a great summer!

Cheers!

Karen Carneiro

and

Alex Rocha

BIG JOHN STUD!!!

THE YEARBOOKS ARE HERE !!

IF YOU DIDN'T BUY ONE IN THE FALL AND WOULD LIKE ONE, COME DOWN TO THE ENG SOC — THEY'RE $5.00. F!ROSH: YOURS ARE FREE!!

ENGINEERING SOCIETY ELECTION RESULTS

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President : Keren Morehead

Vice-President External : Francis Uy

Vice-President Finance : Rob Drascic

Vice-President Activities : Cosetta Caporella

Secretary : Peter Noble

PRESIDENT'S MESSAGE

I've just got three more labs to write up and THEN I can start studying for exams -- I finally have no more midterms (I think we only had eleven this term, or was it twelve?) so I can study for my first four exams (all in the first week, of course), and I bet I'm not the only one whose incessant whining is driving you nuts!

I've been trying to balance this new President kinda thing with the end of term blahs (rather unsuccessfully), but luckily there's nothing REALLY important happening yet. I applaud the new Cannon Editors for bugging everyone for articles even though we're already whining about what we've still got to do before end of term. Maybe we'll shut up because now they've got to layout a Cannon on top of everything else they've got to do!

Anyways, I know you're just reading this instead of studying, so I'll cut it short. All I really have to say is -- drop by if you have any questions about the Eng-Soc or if you're interested in helping out on a committee, etc. You can talk to me or any of the other officers - who are (by the way):

Francis Uy - V.P. External

Rob Drascic - V.P. Finance

Cosetta Caporella - V.P. Activities

and

Peter Noble - Secretary.

We'll be willing to talk to you any time (except for if we've just killed a midterm).

Good Luck on your Exams.

Keren Morehead

President

Anyone with keys should return them to **Rob Drascic** or **Joyce** in the **ENGSOC.**

If you need them back, they will be returned. I need to do this for my records.

Key Request Forms are available from Joyce.

Thank.

Rob Drascic
V.P. Finance

Shinerama 1988

ORGANIZATIONAL MEETINGS

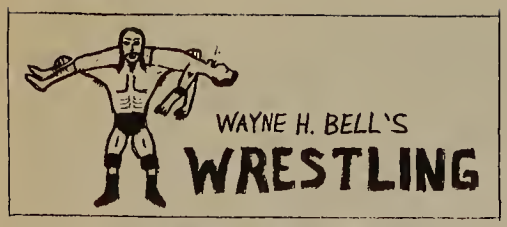
TUESDAY MAY 10
TUESDAY MAY 24
7:30 pm . GB202

If you are unable to attend but would like to help, please leave a message in the Shinerama mailbox (in the Eng Soc) for Heather and Joseph.

The Frosh Handbook / Calendar

We are now in the process of gathering stuff to put into the next Frosh package.

ALL CLUBS
should submit write-ups and photos to be used
(or we'll have to use the pictures we've been using for the past 5 years, maybe none at all??).
DUE APRIL 11th
in the Handbook mailbox or speak to Andrew Wyllie CIV9T0



HULKAMANIA DEAD

Yes fellow wrestling fans, it's true, tbat walking advertisement for artificial tanning has fallen. At precisely 6:10 pm, March 27th, 1988, in Atlantic City's Trump Plaza, Hulk Hogan and Andre the Giant were hoth disqualified, thus eliminating Hogan's chances of regaining the coveted WWF heavyweight helt. After four long years, Hogan's reign of arrogance was finally over. It was a sad day indeed for snot-nosed five-year-olds as they watched their hero's dream die. Older, more intelligent fans were delighted, hut cautious; they had seen Hogan 'lose' before only to have their hopes shattered hy incompetent referees. But, this was not to he the this time. Hogan had lost it for good. However, to save face, he did come hack out during Savage's final hout against Dihiase, in order to eliminate the interference of Andre the Giant on Dibiase's hehalf and help Savage win the belt. Hogan then presented the helt to Randy 'Macho Man' Savage and his manager Elizabeth.

What will Hogan do now? Most people think he'll retire, though there are some rumours that he'll turn 'had'. Retiring I can see happening, hut as much as I hate to admit it, I can not see Hogan turning 'had'. Sad as it is, Hogan could have raped Elizaheth, buggered the Macho Man, and touched all tbe little Hulksters Trump Plaza in an impure manner and the idiotic fan would still cheer for the hastard.

Now, for those of you who still haven't heard all the results I will summarize them for you.

Firstly the 14 man elimination tournament for the heavyweight title.

1st Round Action:

Muraco heat Bravo hy DQ

Dihiase pinned Duggan

Valentine pinned Steamhout

Savage pinned Reed

Gang heat BamBam hy count out

Roberts and Rude fought to a time limit draw

2nd Round

Hogan and Andre hotb DQ'ed

Dihiase pinned Muraco

Savage pinned Valentine

Gang advanced on hy due to Roherts/Rude draw

3rd Round

Dihiase advanced on hy due to Hogan/Andre DQ's

Savage heat Gang hy DQ

4th round

Savage (with Hogan in the corner) pinned Dibiase (with Andre in his corner) to win the helt.

In Intercontinental action, Honky Tonk Man retained his helt against Brutus Beefcake hy getting DQ'ed. In tag teams, Demolition won the tag team helts hy pinning Strike Farce.

In other matches, Bad News Brown won the 20 man Invitational Has-Been Battle Royal. The Islanders and Bohhy Heanan heat the British Bulldogs and Koko Beware. The Ultimate Warrier pinned Hercules (as Hercules pinned the Warrior) to win a controversial decision.

(Way to pick'em Da Costa! HaHa!) And that, my friends, was Wrestlemania IV.

PSYCHO PREDICTS PLAYOFF WINNERS

Jeanne Dixon

The Stanley Cup Playoff's are finally here. It has taken 840 games to eliminate 5 of the 21 teams. Aside from the fact that such awful teams as the Leafs and the kings made tbe playoffs, it should be interesting. There are several legitimate contenders. The Canadiens, Flames, Oilers, Islanders, Capitals, Flyers, Bruins and Devils are all capahle of winning the Cup. Too bad we won't he able to watch the first round because we'll he busy studying for exams - right ??? Well you can still bet. Here's a hettors guide to first round action:

TORONTO MAPLE LEAFS VS. DETROIT RED WINGS

The Leafs played above their ability all season and finished 20th in a 21 team league. Need I say more. They are missing two of their hest players - Chris Kotsopoulos and Wendel Clark. They are totally inept and disorganized team. They lack any kind of discipline. The Red Wings are a much more talented and disciplined team. The injury to Steve Yzerman kills their chance of winning the cup, but should not hinder them against the Leafs. Despite an even regular season record, Detroit should easily handle the Leafs. Take Detroit in five games.

ST. LOUIS BLUES VS. CHICAGO BLACKHAWKS

Dennis Savard and the Blackbawks should make short work of the Blues. Having traded Rick Wamsley and Roh Ramage, the Blues are hound to give up a lot of goals. St. Louis goalie Greg Millen is suspect. The Blackhawks should get strong goaltending from Darren Pang and Boh Mason. St. Louis' gives up a big edge offensively, hut they might be ahle to win one at home. Take Chicago in five games.

CALGARY FLAMES VS. LOS ANGELES KINGS

The Kings have some talented players like Jimmy Carson and Luc Rohitaille hut their no match for the Flames. The Flames are the highest scoring team in the league and the Kings don't have much of a defence to counter with. The Flames one weakness is in goal. Mike Vernon can he shakey. Until Rick Wamsley comes hack from injury, goal will remain a prohlem. Take Calgary in four games.

EDMONTON OILERS VS. WINNEPEG JETS

After losing out on the scoring title Gretzky will he bungry for victory. Glenn Anderson and Mark Messier always play well in the playoffs. While tbe Oilers power play is not nearly as effective without Coffey, Craig Simpson is a good acquisition with over 50 goals. Winnepeg didn't finisb very strongly. Superstar Dale Hawercbuck bas not been playing up to bis ability lately. Tbat is unfortunate for Winnepeg, because be carries the team. Take Edmonton in four.

MONTREAL CANADIENS VS. HARTFORD WHALERS

The Canadiens are a good team, but unless tbey get good goaltending they'll have trouble against Hartford. Hartford is a good, solid team of grinders. Both Mike Liut and Richard Brodeur are proven playoff goalies. Montreal will have trouble scoring on them. If Sylvain Turgeon plays up to his ahility (and stays healthy), he will give the Whalers tbe extra edge they need. Watch for an upset here (sorry Jim). Take Hartford in seven games.

NEW YORK ISLANDERS VS. NEW JERSEY DEVILS

The Devils have played some excellent hockey in the stretch to overcome Pittshurgh and the Rangers. Goalie Sean Burke has heen outstanding. Kirk Muller and Pat Verbeek can both put the puck in the net. The Islanders are a good team, also. Pat Lafontain and Bryan Trottier lead the team in scoring. Without Mike Bossy, though, it will he very hard to heat Burke. Take New Jersey.

BUFFALO SABRES VS. BOSTON BRUINS

Boston is tough to heat at home, and Buffalo is unimpressive on the road. The bome ice advantage will he a big one for Boston. Although Boston was slumping, the addition of Olympians Craig Janney and Robert Joyce has helped their offensive production. The line of Janney, Cam Neely and Joyce bas emerged as one of tbe hest in the league in recent games. Buffalo is a good team with solid goaltending and will give Boston a fight. The big difference hetween tbe two teams will probahly be Boston's Ray Borque. Take Boston in seven games.

"I don't care how many friends you have,
you can't go out with my daughter!"

"You always said
"I wish you were a girl."